

## Table ENG-4. - Building Site Development

City of Suffolk, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Alaga	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.69
				Depth to saturated zone	0.35		
Pactolus	10	Not Rated		Not Rated		Not Rated	
2:							
Belhaven	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Subsidence	1.00	Content of organic matter	1.00	Depth to saturated zone	1.00
Pungo	8	Not Rated		Not Rated		Not Rated	
Deloss	7	Not Rated		Not Rated		Not Rated	
3:							
Bohicket	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Flooding	1.00	Flooding	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Salinity	1.00
		Low strength	1.00	Too clayey	0.28	Sodium content	1.00
Kenansville	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
4:							
Deloss	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Tomotley	5	Not Rated		Not Rated		Not Rated	
Belhaven	4	Not Rated		Not Rated		Not Rated	
5A:							
Dogue	85	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50				
		Depth to saturated zone	0.03	Cutbanks cave	0.10		
				Too clayey	0.03		

## Table ENG-4. - Building Site Development - Continued

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5A:							
Emporia	5	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated		Not Rated	
5B2:							
Dogue	85	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Depth to saturated	1.00	Depth to saturated	0.03
		Shrink-swell	0.50	zone		zone	
		Depth to saturated	0.03	Cutbanks cave	0.10		
		zone		Too clayey	0.03		
Emporia	5	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated		Not Rated	
6:							
Dragston	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated	0.48	Cutbanks cave	1.00	Depth to saturated	0.48
		zone		Depth to saturated	1.00	zone	
				zone			
Tomotley	8	Not Rated		Not Rated		Not Rated	
Tetotum	7	Not Rated		Not Rated		Not Rated	
7A:							
Emporia	90	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Depth to saturated	0.73		
				zone			
				Cutbanks cave	0.10		
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
7B2:							
Emporia	90	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Depth to saturated	0.73		
				zone			
				Cutbanks cave	0.10		
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	

8A:

# Table ENG-4. - Building Site Development - Continued

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
8A:							
Eunola	90	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
8B:							
Eunola	90	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
9A:							
Goldsboro	95	Not limited		Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Rains	5	Not Rated		Not Rated		Not Rated	
9B2:							
Goldsboro	95	Not limited		Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Rains	5	Not Rated		Not Rated		Not Rated	
10A:							
Kalmia	90	Not limited		Somewhat limited Depth to saturated zone Cutbanks cave	0.35 0.10	Somewhat limited Droughty	0.04
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
10B:							
Kalmia	90	Not limited		Somewhat limited Depth to saturated zone Cutbanks cave	0.35 0.10	Somewhat limited Droughty	0.04

**Table ENG-4. - Building Site Development - Continued**

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10B:							
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
11:							
Kenansville	85	Not limited		Very limited Cutbanks cave 1.00		Somewhat limited Droughty 0.03	
Eunola	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
12:							
Kenansville	95	Not limited		Very limited Cutbanks cave Depth to saturated zone 1.00 0.35		Somewhat limited Droughty 0.03	
Suffolk	3	Not Rated		Not Rated		Not Rated	
Eunola	2	Not Rated		Not Rated		Not Rated	
13:							
Levy	85	Very limited Depth to saturated zone 1.00 Flooding 1.00 Low strength 1.00		Very limited Flooding 1.00 Depth to saturated zone 1.00 Too clayey 0.28		Very limited Flooding 1.00 Depth to saturated zone 1.00 Sodium content 1.00	
Rains	8	Not Rated		Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated		Not Rated	
14:							
Lynchburg	80	Very limited Depth to saturated zone 1.00		Very limited Depth to saturated zone 1.00 Cutbanks cave 0.10		Very limited Depth to saturated zone 1.00	
Rains	8	Not Rated		Not Rated		Not Rated	
Eunola	7	Not Rated		Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated		Not Rated	
15B:							

# Table ENG-4. - Building Site Development - Continued

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15B:							
Nansemond	90	Somewhat limited	0.19	Very limited	1.00	Somewhat limited	0.19
		Depth to saturated zone		Cutbanks cave		Depth to saturated zone	
				Depth to saturated zone		Droughty	
Dragston	10	Not Rated		Not Rated		Not Rated	
15D:							
Nansemond	85	Somewhat limited	0.19	Very limited	1.00	Somewhat limited	0.19
		Slope		Cutbanks cave		Slope	
		Depth to saturated zone		Depth to saturated zone		Depth to saturated zone	
				Slope		Droughty	
Rains	8	Not Rated		Not Rated		Not Rated	
Tomotley	7	Not Rated		Not Rated		Not Rated	
15E:							
Nansemond	80	Very limited	0.19	Very limited	1.00	Very limited	0.75
		Slope		Slope		Slope	
		Depth to saturated zone		Cutbanks cave		Droughty	
				Depth to saturated zone		Depth to saturated zone	
Rains	8	Not Rated		Not Rated		Not Rated	
Tomotley	7	Not Rated		Not Rated		Not Rated	
16A:							
Nansemond	90	Somewhat limited	0.19	Very limited	1.00	Somewhat limited	0.19
		Depth to saturated zone		Cutbanks cave		Depth to saturated zone	
				Depth to saturated zone			
Weston	10	Not Rated		Not Rated		Not Rated	
16B:							
Nansemond	90	Somewhat limited	0.19	Very limited	1.00	Somewhat limited	0.19
		Depth to saturated zone		Cutbanks cave		Depth to saturated zone	
				Depth to saturated zone			
Weston	10	Not Rated		Not Rated		Not Rated	
17:							
Pactolus	85	Somewhat limited	0.19	Very limited	1.00	Very limited	1.00
		Depth to saturated zone		Cutbanks cave		Droughty	
				Depth to saturated zone		Depth to saturated zone	

**Table ENG-4. - Building Site Development - Continued**

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17:							
Alaga	5	Not Rated		Not Rated		Not Rated	
Dragston	5	Not Rated		Not Rated		Not Rated	
Kalmia	5	Not Rated		Not Rated		Not Rated	
18:							
Pungo	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Subsidence	1.00	Content of organic matter	1.00	Depth to saturated zone	1.00
Belhaven	8	Not Rated		Not Rated		Not Rated	
Deloss	7	Not Rated		Not Rated		Not Rated	
19:							
Rains	75	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Lynchburg	7	Not Rated		Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated		Not Rated	
Eunola	6	Not Rated		Not Rated		Not Rated	
Torhunta	5	Not Rated		Not Rated		Not Rated	
20A:							
Rumford	90	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Nansemond	10	Not Rated		Not Rated		Not Rated	
20B:							
Rumford	95	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Nansemond	5	Not Rated		Not Rated		Not Rated	
21A:							
State	95	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated zone	0.35		
Tetotum	5	Not Rated		Not Rated		Not Rated	

**Table ENG-4. - Building Site Development - Continued**

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21B:							
State	90	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.35	Not limited	
Tetotum	10	Not Rated		Not Rated		Not Rated	
22A:							
Suffolk	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Eunola	10	Not Rated		Not Rated		Not Rated	
22B:							
Suffolk	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Eunola	10	Not Rated		Not Rated		Not Rated	
23A:							
Tetotum	85	Somewhat limited Low strength Depth to saturated zone	0.22 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
State	8	Not Rated		Not Rated		Not Rated	
Tomotley	7	Not Rated		Not Rated		Not Rated	
23B:							
Tetotum	90	Somewhat limited Low strength Depth to saturated zone	0.22 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Dragston	5	Not Rated		Not Rated		Not Rated	
State	5	Not Rated		Not Rated		Not Rated	
24:							
Tomotley	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Deloss	5	Not Rated		Not Rated		Not Rated	
Dragston	5	Not Rated		Not Rated		Not Rated	
Rains	5	Not Rated		Not Rated		Not Rated	

**Table ENG-4. - Building Site Development - Continued**

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25:							
Torhunta	90	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
Belhaven	10	Not Rated		Not Rated		Not Rated	
26:							
Udorthents	70	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	
Kenansville	5	Not Rated		Not Rated		Not Rated	
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Tomotley	5	Not Rated		Not Rated		Not Rated	
27:							
Urban land	90	Not Rated		Not Rated		Not Rated	
Dogue	10	Not Rated		Not Rated		Not Rated	
28:							
Wahee	85	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Depth to saturated zone	1.00
Dogue	5	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
Tomotley	5	Not Rated		Not Rated		Not Rated	
29:							
Weston	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Nansemond	10	Not Rated		Not Rated		Not Rated	
DAM:							
Dam	95	Not Rated		Not Rated		Not Rated	



**Table ENG-4. - Building Site Development - Continued**

City of Suffolk, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
M-W:							
Water	100	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	